Job code-

Estimated cost

Original/Duplicate/Triplicate

(Date: .....)

CONTRACT CERTIFICATE

(For other works)

Date:

Bill No.5th & Final

Division : EE-1 (Lakes)

Sub-Division AEE (Lakes)

Bill Received No: ..... Dated : ..... Cash Book Voucher No: Dated: 005-17-000046

Schedule Docket No: ..... Head of Account : P-3122

Name of the Work: **Name of Work : Development of Green space and parks to Vin Field Layout Main Road Park Ward - 5 Jakkur (Yelahanka Zone)**

Name of the Contractor & Address: **Sri. Mahesh K. N.**

Reference to Agreement No: 569186 to 569290

Certified that the measurements were taken by me on from 11/5/2020 to 31/7/2020 and recorded on pages to 10526 to 5311 of measurement Book No 5692/20-21 and the work is satisfactorily executed.

Contractor 106/17-18 **Officer- in charge of work.** 14/10/2020

Certified that the measurement were checked by me on 31/7/2020 and found correct

The work is satisfactorily executed.

Certified that the Quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

14/10/2020

Sub-Division Officer Assistant Executive Engineer Lakes, BBMP

Memorandum of payment

1	Total value of work done or supplies made as per the account within	TWD	₹22329778/=
2	Deduct amount to be held in reserve being ..... percent Rs.	PP	₹1873920/=
3	" Balance		
4	Deduct payments	SD 6final	₹3590648/=
	a) Amount of previous payment as in the office cash book voucher No. ..... Dated ..... S D No..... Amount adjusted towards cash advance recovery of	FSD SD 1st	₹32100/=
			₹32100/=
	b) Payments cost store or other materials supplied Now made recovery of amount creditable of this/other work. Amount paid on this bill Cheque/ Cash.	IT IT 2%	₹71815/=
		KST Cess 1%	₹35910/=
		Royalty CBF 1%	₹3590/=
		BWF BOCW Royalty	₹28500/=
5	Balance being unpaid value of work done held in reserve.		₹2040152=
6	Deduct cash advance made on the office Cash Book Voucher No. Dated ..... less adjustments.	Cheque Advw cheque	₹3386633/=
7	Net amount due to or from Contractor. Unadjusted items		
8	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied.		

Check measured by EE-1 (Lakes) on In MB No. In page No.

Contractor

Received Rs. .....

(in words) .....

By Cash & by adjustment of Payment as per memorandum

Witness :

1

2

Dated

Stamp

Contractor

Audited and admit Rs. 35906482/=

Passed for Rs. 3386633/= Rupees three lacks eighty six thousand six hundred and thirty three

By cheque

for Rs 2040152/= By Advance

Paid by me by Cheque No. ..... Dated:.....

Cash Rs. ..... Dated:.....

Initials of Officer making Payment

Executive Engineer-1 (Lakes)

S.AO

Exe. Engineer Lakes 12/12/20

Bruha. Bangalore Mahanagara Pal.

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BRUHAT BENGALURU MAHANAGARA PALIKE

Name of Work : Development of Green space and parks to Vin Field Layout Main Road Park Ward 5 Jakkur (Yelahanka Zone)

5th & Final bill

Item code	Item Name	Unit	Approved Qty	Approved Rate	Amount	Previous measurements		Present measurements			Up to date measurements	
						Qty	Amount	Qty	Rate	Amount	Qty	Amount
1	Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials within a lead of 100 metres from road boundary, labour charges complete as per specifications. as directed by the engineer incharge of the work.	sqm	6606.00	6.67	44062.02	6606.00	44062.00		6.67		6606.00	44062.00
2	Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m. In depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods specifications. as directed by the engineer incharge of the work.for compound ,gate and gazebo(3.5MX3.5Mand 6.5mx6.5m)& rainwater harvesting structure	cum	346.87	210.26	72933.31	335.58	70557.35	11.26	210.26	2367.53	346.84	72924.88
3	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement@180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. As directed by the engineer incharge of the work..for compound,gate and gazebo(3.5MX3.5Mand 6.5mx6.5m)& rainwater harvesting structure,	cum	73.98	5414.39	400581.88	72.93	394856.28	1.05	5414.39	5685.11	73.98	400541.39
4	Providing and constructing granite/ trap /basalt size stone masonry in foundation with Cement mortar 1:6, stone hammer dressed in courses not less than 20 cms high, bond stones at two m. Apart in each course including cost of materials, labour, curing complete as per specifications. As directed by the engineer incharge of the work	cum	137.41	4657.91	640043.41	134.872	628221.89	2.54	4657.91	11821.78	137.41	640043.67
5	Providing and constructing granite/trap/ basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.As directed by the engineer incharge of the work,for compound&gate and gazebo(3.5MX3.5M)	cum	105.79	5567.91	589052.86	68.14	379397.55	37.65	5567.91	209655.48	105.79	589053.03
6	Providing flus pointing to coursed stone masonry with cement mortar 1:3 , 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications,. As directed by the engineer incharge of the work	sqm	425.56	107.91	45922.18	205.11	22132.80	220.01	107.91	23741.28	425.12	45874.08
7	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @320 kgs, with 20mm and down size graded granite metalcoarse aggregates @ 0.878cum and fine aggregates @ 0.459cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. As directed by the engineer incharge of the work,.for open stage and gazebo 3.5mx3.5mand 6.5mx6.5m&rain water harvesting structure	cum	49.23	6687.06	329220.68	29.04	194192.14	19.77	6687.06	132203.18	48.81	326395.32
8	Providing T.M.T Steel reinforcement for RCC work including styraightening ,cutting ,bending ,hooking, placing in position ,lappingand/or welding where ever required ,tying with binding wire and anchoring to the adjoining members where ever nessassary complete as per design (laps and westage shall not be measured and paid) cost of mateial,labour HOM of machinary complete as per specifications ,As directed by the engineer incharge of the work,for gates &rain water harvesting structure	Tonne	0.41	62353.94	25508.92	0.34	21200.34		62353.94		0.34	21200.34
9	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. As directed by the engineer incharge of the work	sqm	113.88	201.36	22930.88	14.40	2899.54	99.48	201.36	20031.29	113.88	22930.83

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Item code	Item Name	Unit	Approved Qty	Approved Rate	Amount	Previous measurements		Present measurements			Up to date measurements	
						Qty	Amount	Qty	Rate	Amount	Qty	Amount
10	Fencing with welded steel wire fabric 75mmx50mm. Providing 1.2m heigh fencing with angle iron post 50mmx50mmx6mm at 3.0m c c with 0.4m embeded in M15 grade cement concrete, corner, end and every 10th post studed, provided with welded steel wire fabric of 75mm x50mm mesh or 75mmx25mm mesh and fixed boirun posts by flat iron 50x5mm and bolts etc complete in a over compound walls as per using 16mmx16mm MS square rod @ 150mm c c spacing and 6mmx40mm M.S. @ horizontal and 6mm x12mm M.S flat for ornamental design and providing shop edge design at the vertex of every verticle rods, including welding, grinding ll respects as per specifications. As directed by the engineer incharge of the work	meter		556.24					556.24			
11	Providing & fixing MS grill over existing compound wall as per using 16 mm x 16 mm MS square rod at 150 mm c/c spacing and 6 mm x 40 mm MS flats at horizontal and 6 mm x 12 mm MS flat for ornamental design & providing sharp edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust & painted with anticorrosive paint (shop paint) etc, complete. The work includes cost of all materials, labour charges for all items of work, hire charges for building, cutting & grinding, equipment & electricity charges etc. complete as per specifications.As directed by the engineer incharge of the work	sqm	207.50	5811.54	1205894.55	207.50	1205895.23		5811.54		207.50	1205895.23
12	Providing and fixing MS gate as per chief architect drawing using 50mmx50mm 14 gauge MS hallow pipe frame work bent to ornamental shape as shown in the drawing and 35mmx6mm and 16mm square rods for verticles alternatively spaced @4cm c c in two halves and 40mmx 6mm MS flats for horizontal member and at the top cast iron spikes are provided at alternate verticle members as shown in the drawings. all the steel surface should be thouroughly cleaned free of rust and painted with anticorrosive paint (shop paint) etc. the work includes cost of all materials , labour charges for all items of work, higher charges for welding, cutting and grinding equipments, and electricity charges complete as per specifications. As directed by the engineer incharge of the work	sqm	8.92	3263.99	29127.85	8.92	29115.00		3263.99		8.92	29115.00
13	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. As directed by the engineer incharge of the work,for gates. MS grill and gazebo(3.5MX3.5M&6.5mx6.5m)	sqm	348.89	91.22	31825.29	336.55	30700.95	12.34	91.22	1125.20	348.89	31826.15
14	Providing and supplying with necessary umbrella type bolts&nuts for ms plate fixing with bolt&connecting material for erecting 150x150x6mm thickness ms box section as per specifications and as directed by the department officers.for base plate.	kg		65.64					65.64			
15	Providing and supplying with necessary umbrella type bolts&nuts for ms plate fixing with bolt&connecting material for erecting 150x150x6mm thickness ms box section as per specifications for anchor bolts, As directed by the engineer incharge of the work, .	nos		141.28					141.28			
16	Providing and filling in foundation with granite /trap broken metal 100mm and down size , with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift .complete as per specifications, and as directed by the department officers.	cum	19.52	2351.76	45904.00	19.52	45904.03		2351.76		19.52	45904.03
17	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli grey granite in cement mortar CM 1:4 proportion, cut to required shape pattern with paper joints finished with cement mortar using white cement and colour pigments to match the colour of slb making through jointing with sealent grooves in joints including cost of all materials , mortar, labour, curing etc,. complete as per specifications minimum width of 1200 mm as per specifications ,As directed by the engineer incharge of the work	sqm	89.41	2209.37	197545.30	87.12	192480.00	2.29	2209.37	5064.98 5059/-	89.41	197544.98 197340/-
18	Providing and fixing of 150x150x10mm thick M.S Box section columns Fabricating, supplyinf and erecting MS Angular trusses for all spans as per apprroved design and drawings. The entire trusses is anchored suitably by using 4 Nos of anchor bolts at each support, with base plate shoe plate.the work includes straightening ,placing in position of MS Angle and welding whereever necessary and applying one coat of red oxide primer coat to all the members including cost of materials, labour charges and hire charges of machinery for cutting, welding, grinding and erection equipments etc,complete as per specifications,As directed by the engineer incharge of the work	kg	6127.06	130.16	797497.75	6127.06	797491.56	0.00	130.16	0.38	6127.06	797491.94
19	Providing and fixing of Mangalore tiles roofing using first class tiles with necessary special tiles for ridges and hips, teak wood reepers of size 50x25mm and pointed with cement mortar 1:4 over the existing rafters including cost of materials , labour,curing complete as per specifications,As directed by the engineer incharge of the work	sqm	136.14	1336.08	181893.93	110.43	147542.92	25.71	1336.08	34350.62	136.14	181893.54

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Item code	Item Name	Unit	Approved Qty	Approved Rate	Amount	Previous measurements		Present measurements			Up to date measurements	
						Qty	Amount	Qty	Rate	Amount	Qty	Amount
20	Providing, laying, spreading and compacting crushed stone aggregates of granite/ trap/ basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to the site , laying in uniform layers with paver in sub- base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.As directed by the engineer incharge of the work	cum	328.83	1855.60	610173.24	275.00	510282.56	53.83	1855.60	99890.66 / 99887	328.83	610173.22 / 610165
21	Providing & laying heavy duty cobble stones 60 mm thick interlocked pavers, using cement & coarse sand for manufacture of blocks of approved size, shape & colour with a minimum compressive strength of 281 Kg/sqm over 50 mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints in to its final level, including cost of materials, labour and HOM of machineries complete as per specifications ,As directed by the engineer incharge of the work	sqm	1432.14	1014.57	1453006.28	1280.00	1298652.98	152.14	1014.57	154356.68	1432.14	1453009.66
22	Providing and fixing pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete size 450 x 200 x 400 mm	Nos	2560.00	404.94	1036646.40	2520.00	1020446.48		404.94		2520.00	1020446.48
23	supplying & fixing of Rain bow climber::All round and rectangular pipes are GI or CR,ISI make.Gauge 14 gauge,2coating are red oxide and final paints of industrial paint, Nut bolt GI, bearing heavy ,(branded).FRP thickness-4-5mm ,swing assembly6mm chain with rubber coating,as directed by the engineer incharge of the work.	Each	3.00	12808.10	38424.30	3.00	38424.29		12808.10		3.00	38424.29
24	supplying & fixing of sea saw double:.All round and rectangular pipes are GI or CR,ISI make.Gauge 14 gauge,2coating are red oxide and final paints of industrial paint, Nut bolt GI, bearing heavy ,(branded).FRP thickness-4-5mm ,swing assembly6mm chain with rubber coating,as per sketch and engineer incharge of the work	Each	4.00	14820.51	59282.04	4.00	59282.06		14820.51		4.00	59282.06
25	supplying & fixing of Arch swing two seater:All round and rectangular pipes are GI or CR,ISI make.Gauge 14 gauge,2coating are red oxide and final paints of industrial paint, Nut bolt GI, bearing heavy ,(branded).FRP thickness-4-5mm ,swing assembly6mm chain with rubber coating,as per sketch and engineer incharge of the work	Each	4.00	33737.23	134948.92	4.00	134948.91		33737.23		4.00	134948.91
26	supplying and fixing FRP Rabbit dust bins As directed by the engineer incharge of the work &As per drawings.	Each	26.00	5572.85	144894.10	26.00	144893.97		5572.85		26.00	144893.97
27	supplying & fixing of Two way slide.All round and rectangular pipes are GI or CR,ISI make.Gauge 14 gauge,2coating are red oxide and final paints of industrial paint, Nut bolt GI, bearing heavy ,(branded).FRP thickness-4-5mm ,swing assembly6mm chain with rubber coating, per drawing and specifications and as directed by the engineer incharge of the work.	Each	4.00	55471.32	221885.28	4.00	221885.29		55471.32		4.00	221885.29
28	supplying & fixing of Standing mary go round:All round and rectangular pipes are GI or CR,ISI make.Gauge 14 gauge,2coating are red oxide and final paints of industrial paint, Nut bolt GI, bearing heavy ,(branded).FRP thickness-4-5mm ,swing assembly6mm chain with rubber coating,as per sketch and engineer incharge of the work	Each	4.00	25687.56	102750.24	4.00	102750.25		25687.56		4.00	102750.25
29	supplying & fixing of Duck mary go round:All round and rectangular pipes are GI or CR,ISI make.Gauge 14 gauge,2coating are red oxide and final paints of industrial paint, Nut bolt GI, bearing heavy ,(branded).FRP thickness-4-5mm ,swing assembly6mm chain with rubber coating,as per sketch and engineer incharge of the work	Each		25285.08					25285.08			
30	supplying and fixing FRP CI-STRIP Benches As directed by the engineer incharge of the work &As per drawings.	Each		14860.92		35.00	520132.20	-35.00	14860.92	-520132.20	(-)	
31	Providing and filling sand in Kids play area and open gym area with all leads and lift complete as per specification.As directed by the engineer incharge of the work.	cum	135.43	2375.12	321668.44	77.02	182926.07	58.41	2375.12	138730.76	135.43	321656.83

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Item code	Item Name	Unit	Approved Qty	Approved Rate	Amount	Previous measurements		Present measurements			Up to date measurements	
						Qty	Amount	Qty	Rate	Amount	Qty	Amount
32	supply and fixing of HD Health Walker Metal::All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approvedMIG process .all welds are dressed off removing all sharp edges burts.zinc primer paints applied at all the welding points prior to finishing . all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to sped up corrosion for 3000hrs. rubber hikgh quality grip rubber is used for the handles bearings .maintenance -free ball bearings .scope of delivery I completely pressed assembled equipment modules . maintenance: maintain according to EN 16630 and maintenance guide .saftey: all products must be tested and certified to meet EN16630 saftey standards with GS test Mark.The EN16630 certificates must be issued by areputed notified international certifying agencey such as IPEMA,TUV,CPSC,or SGS only .the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party .all products must clearly display the GS mark as has been issued in the EN16630 saftey certificates.all product must carry a GS mark on it. size(LxWxH) 2015x615x1360mm , weight:93kg , saftey area:5015x3015mm capacity 2persons.As per sketch and Engineer incharge of the work.	Each	2.00	131817.20	263634.40	2.00	263634.40		131817.20		2.00	263634.40
33	supply and fixing of HD Squat pushing Metal::All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approvedMIG process .all welds are dressed off removing all sharp edges burts.zinc primer paints applied at all the welding points prior to finishing . all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to sped up corrosion for 3000hrs. rubber hikgh quality grip rubber is used for the handles bearings .maintenance -free ball bearings .scope of delivery I completely pressed assembled equipment modules . maintenance: maintain according to EN 16630 and maintenance guide .saftey: all products must be tested and certified to meet EN16630 saftey standards with GS test Mark.The EN16630 certificates must be issued by areputed notified international certifying agencey such as IPEMA,TUV,CPSC,or SGS only . the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party .all products must clearly display the GS mark as has been issued in the EN16630 saftey certificates.all product must carry a GS mark on it. size(LxWxH) 2270x635x1640mm , weight:60.2kg , saftey area:5300x3685mm capacity 2persons. as per the sketch and as per the Engineer incharge of the work.	Each	2.00	185551.60	371103.20	2.00	371103.20		185551.60		2.00	371103.20
34	Supply & Fixing of Double Ski Walker Metal: All tubular steel of 2.5MM thickness are glavanized and zinc dipped. Joints are Robotic welded. All welded joints are scalloped as necessary and welded to an apprvoed MIG Process. All welds are dressed off removing all sharp edges and burrs. Zinc Primer paint is applied at all the welding points prior to dinishing. All metal parts are powder coated using AKZO nobel-Great Wall powder to the thickness of 80-120 microns. All metal parts are tested in our salt spray macjine that uses a 5% NaCl solution in accordance to ISO7227 to speed up corrosion for 3000 Hrs. Rubber: High quality grip rubber is used for the hadles. Bearings: Maintenance free ball bearings. Scope of Delivery: I completely pre-assembled equipment modules. Maintenance: Maintain according to EN 16630 and the maintenance guide. Safety: All products must be tested ans certified to meet EN16630 safety standards with GS test mark. The EN 16630 certificates must be issued by a reputed notified internaltional certifying agency such as IPEMA, TUV, CPSC or SGS only. The GS Mark EN16630 Cetificates must be in the name of tendering party and not any 3rd Party. All products must clearly deplay the GS Mark as has been issued in the EN 16630 safety certificates. Size_LxWxH: 1065 x 615 x 1364 mm. Weight: 51 KG Safety Area: 4090 x 3555 mm, Capacity 1 Person.As per sketch and as per Engineer incharge of the work.	Each	2.00	205702.00	411404.00	2.00	411404.00		205702.00		2.00	411404.00

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Item code	Item Name	Unit	Approved Qty	Approved Rate	Amount	Previous measurements		Present measurements			Up to date measurements	
						Qty	Amount	Qty	Rate	Amount	Qty	Amount
35	Supply and fixing of HD Situp Station Metal:All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approvedMIG process .all welds are dressed off removing all sharp edges burts.zinc primer paints applied at all the welding points prior to finishing . all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to sped up corrosion for 3000hrs. rubber hikgh quality grip rubber is used for the handles bearings .maintenance -free ball bearings .scope of delivery 1 completely pressed assembled equipment modules . maintenance: maintain according to EN 16630 and maintenance guide .saftey: all products must be tested and certified to meet EN16630 saftey standards with GS test Mark.The EN16630 certificates must be issued by areputed notified international certifying agencey such as IPEMA,TUV,CPSC,or SGS only . the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party .all products must clearly display the GS mark as has been issued in the EN16630 saftey certificates.all product must carry a GS mark on it. size(LxWxH) 1412x1366x650mm , weight:42.6kg , saftey area:4462x4078mm capacity 2 persons.As per sketch and as directed by the Engineer incharge of the work.	Each	2.00	151967.60	303935.20	2.00	303935.20		151967.60		2.00	303935.20
36	supply and fixing pull down challenger metal- All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approvedMIG process .all welds are dressed off removing all sharp edges burts.zinc primer paints applied at all the welding points prior to finishing . all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to sped up corrosion for 3000hrs. rubber hikgh quality grip rubber is used for the handles bearings .maintenance -free ball bearings .scope of delivery 1 completely pressed assembled equipment modules . maintenance: maintain according to EN 16630 and maintenance guide .saftey: all products must be tested and certified to meet EN16630 saftey standards with GS test Mark.The EN16630 certificates must be issued by areputed notified international certifying agencey such as IPEMA,TUV,CPSC,or SGS only . the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party .all products must clearly display the GS mark as has been issued in the EN16630 saftey certificates.all product must carry a GS mark on it. size(LxWxH) 2570x805x20582685mm , weight:85.4kg , saftey area:6287x4858mm capacity 2 persons.As per sketch and as directed by the Engineer incharge of the work.	Each	2.00	225852.40	451704.80	2.00	451704.80		225852.40		2.00	451704.80
37	supply and fixing of seated chest press metal- All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approvedMIG process .all welds are dressed off removing all sharp edges burts.zinc primer paints applied at all the welding points prior to finishing . all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to sped up corrosion for 3000hrs. rubber hikgh quality grip rubber is used for the handles bearings .maintenance -free ball bearings .scope of delivery 1 completely pressed assembled equipment modules . maintenance: maintain according to EN 16630 and maintenance guide .saftey: all products must be tested and certified to meet EN16630 saftey standards with GS test Mark.The EN16630 certificates must be issued by areputed notified international certifying agencey such as IPEMA,TUV,CPSC,or SGS only . the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party .all products must	Each	2.00	239286.00	478572.00	2.00	478572.00		239286.00		2.00	478572.00
38	supplying & fixing of Tai Chi Spinners Metal:All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approvedMIG process .all welds are dressed off removing all sharp edges burts.zinc primer paints applied at all the welding points prior to finishing . all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to sped up corrosion for 3000hrs. rubber hikgh quality grip rubber is used for the handles bearings .maintenance -free ball bearings .scope of delivery 1 completely pressed assembled equipment modules . maintenance: maintain according to EN 16630 and maintenance guide .saftey: all products must be tested and certified to meet EN16630 saftey standards with GS test Mark.The EN16630 certificates must be issued by areputed notified international certifying agencey such as IPEMA,TUV,CPSC,or SGS only . the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party .all products must	Each	2.00	131817.20	263634.40	2.00	263634.40		131817.20		2.00	263634.40

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Item code	Item Name	Un	Approved Qty	Approved Rate	Amount	Previous measurements		Present measurements			Up to date measurements	
						Qty	Amount	Qty	Rate	Amount	Qty	Amount
39	Supply and fixing of HD Waist Twister Meatl:All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approvedMIG process .all welds are dressed off removing all sharp edges burts.zinc primer paints applied at all the welding points prior to finishing . all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to sped up corrosion for 3000hrs. rubber hikgh quality grip rubber is used for the handles bearings .maintenance -free ball bearings .scope of delivery I completely pressed assembled equipment modules . maintenance: maintain according to EN 16630 and maintenance guide .saftey: all products must be tested and certified to meet EN16630 saftey standards with GS test Mark.The EN16630 certificates must be issued by areputed notified international certifying agencey such as IPEMA,TUV,CPSC,or SGS only . the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party .all products must	Eac	2.00	151967.60	303935.20	2.00	303935.20		151967.60		2.00	303935.20
40	supply and fixing of Bicycle Metal: All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approvedMIG process .all welds are dressed off removing all sharp edges burts.zinc primer paints applied at all the welding points prior to finishing . all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to sped up corrosion for 3000hrs. rubber hikgh quality grip rubber is used for the handles bearings .maintenance -free ball bearings .scope of delivery I completely pressed assembled equipment modules . maintenance: maintain according to EN 16630 and maintenance guide .saftey: all products must be tested and certified to meet EN16630 saftey standards with GS test Mark.The EN16630 certificates must be issued by areputed notified international certifying agencey such as IPEMA,TUV,CPSC,or SGS only . the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party .all products must clearly	Each	2.00	151967.60	303935.20	2.00	303935.20		151967.60		2.00	303935.20
41	Providing and fixing of ready made FRP toilet for the use of public utilizing the park as per drawing and as directed by the engineer incharge of the work.	Each	1.00	44582.76	44582.76	1.00	44582.76		44582.76		1.00	44582.76
42	Geophysical investigation of site for sinking bore well for supply drinking water to the habitation either through the Hand Pump. MWS or PWSS by vertical electrical sounding by adopting Venner or schlumberger's method, including reconnaissance survey of geological formation, Geophysical investigation of existing ground infecundity its quality & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top in consolidated formation of proper scatting of casing pipe ,depth of drilling required to cover full depth of auquifer propopsed to be tapped Proboabale yield and other information required including transporetation technical personal and labour etc ,as directed by the engineer incharge of the work	Each	1.00	2167.22	2167.22	1.00	2167.22		2167.22		1.00	2167.22
43	Sinking of borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG and above 900 CMF and above in all strata including over burden upto 20m, fixing of casing pipes, collars and cap with necessary welding, cutting and treading including transportation of rig and supporting vehicles, screw charges and cost of consumables, etc.. complete including yield testing at the final depth with a minimum working of compressor for one hour.(excluding cost of casing pipes, collars, caps etc.,)As directed by the engineer incharge of the worka) 0.00 to 50.00 mts	Rmtr	50.00	330.78	16539.00	50.00	16539.07		330.78		50.00	16539.07
44	Sinking of borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG and above 900 CMF and above in all strata including over burden upto 20m, fixing of casing pipes, collars and cap with necessary welding, cutting and treading including transportation of rig and supporting vehicles, screw charges and cost of consumables, etc.. complete including yield testing at the final depth with a minimum working of compressor for one hour.(excluding cost of casing pipes, collars, caps etc.,)As directed by the engineer incharge of the workb) 50.00 to 100.00 mts	Rmtr	50.00	432.39	21619.50	50.00	21619.70		432.39		50.00	21619.70
45	Sinking of borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG and above 900 CMF and above in all strata including over burden upto 20m, fixing of casing pipes, collars and cap with necessary welding, cutting and treading including transportation of rig and supporting vehicles, screw charges and cost of consumables, etc.. complete including yield testing at the final depth with a minimum working of compressor for one hour.(excluding cost of casing pipes, collars, caps etc.,)As directed by the engineer incharge of the workc) 100.00 to 150.00 mts	Rmtr	50.00	480.67	24033.50	50.00	24033.55		480.67		50.00	24033.55
46	Sinking of borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG and above 900 CMF and above in all strata including over burden upto 20m, fixing of casing pipes, collars and cap with necessary welding, cutting and treading including transportation of rig and supporting vehicles, screw charges and cost of consumables, etc.. complete including yield testing at the final depth with a minimum working of compressor for one hour.(excluding cost of casing pipes, collars, caps etc.,)As directed by the engineer incharge of the workd) 150.00 to 200.00 mts	Rmtr	50.00	508.06	25403.00	50.00	25403.15		508.06		50.00	25403.15

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Item code	Item Name	Unit	Approved Qty	Approved Rate	Amount	Previous measurements		Present measurements			Up to date measurements	
						Qty	Amount	Qty	Rate	Amount	Qty	Amount
47	Sinking of borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG and above 900 CMF and above in all strata including over burden upto 20m, fixing of casing pipes, collars and cap with necessary welding, cutting and treading including transportation of rig and supporting vehicles, screw charges and cost of consumables, etc.. complete including yield testing at the final depth with a minimum working of compressor for one hour.(excluding cost of casing pipes, collars, caps etc.,)As directed by the engineer incharge of the worke) 200.00 to 250.00 mts	Rmtr	50.00	588.06	29403.00	50.00	29402.79		588.06		50.00	29402.79
48	Sinking of borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG and above 900 CMF and above in all strata including over burden upto 20m, fixing of casing pipes, collars and cap with necessary welding, cutting and treading including transportation of rig and supporting vehicles, screw charges and cost of consumables, etc.. complete including yield testing at the final depth with a minimum working of compressor for one hour.(excluding cost of casing pipes, collars, caps etc.,)As directed by the engineer incharge of the workf) 250.00 mtrs & above	Rmtr	91.00	588.06	53513.46	91.00	53513.08		588.06		91.00	53513.08
49	Supply of ISI mark 175 mm nominal bore,plain end steel casing pipe grade of steel fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, eletric resistence welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mts. Both ends threaded confirming to IS 554/1985, one end fixed with socket conforming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably straight should be with ISI marking, weighing 25.10Kg/mtr (inclusive of all taxes and duties). Prices including collar medium duty.As directed by the enginer inchargeof the work .a) Casing pipe,As directed by the enginer inchargeof the work	rmtr	12.00	1390.59	16687.08	12.00	16687.05		1390.59		12.00	16687.05
50	Supply of 175mm MS Cap. As directed by the enginer inchargeof the work	Each		104.95					104.95			
51	Supply of 175mm MS Collar. As directed by the enginer inchargeof the work	Each		157.43					157.43			
52	Supply and delivery of submersible pump sets suitable for borewell of 165mm dia with specified duty conditions as detailed below and satisfying performance characteristics for pump and motor specified in BIS with ISI mark with a minimum efficiency of 42% pump shall confirm to IS 8034/2002 and motor conforming to IS 9283/1995 with ISI Certification ,7.50 HP/9.3 KW Sub mersible pump set, As directed by the enginer inchargeof the work	Each	3.00	56987.85	170963.55	1.00	56987.85	2.00	56987.85	113975.70	3.00	170963.55

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Item code	Item Name	Unit	Approved Qty	Approved Rate	Amount	Previous measurements		Present measurements			Up to date measurements	
						Qty	Amount	Qty	Rate	Amount	Qty	Amount
53	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper conductor cofirming to table 3 class 5 to IS 8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100 volts with specified IS 694:1990 and confirming to the attwached GTP of Group A 3C x 6.0 Sq.mm, As directed by the enginer inchargeof the work	mtr	875.00	198.04	173285.00	122.00	24160.96	753.00	198.04	149124.12	875.00	173285.08
54	Errection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair of supporting clams, borewell cap, cable clips with bolts, nuts, valve gauges etc., involved in the job. (Necessary G.I.Pipe and specials will be supplied by the board at the site free of cost). As directed by the enginer inchargeof the work	nos	3.00	1794.65	5383.95	1.00	1794.65	2.00	1794.65	3589.30	3.00	5383.95
55	Providing and fixing in position 50mm Nominal bore non- return valve vertical type of approved make including cost of all materials, labour and HOM of equipment with all leads compleate as per specification. As directed by the enginer inchargeof the work	nos	1.00	1620.85	1620.85			1.00	1620.85	1620.85	1.00	1620.85
56	Supplying and fixing 50mm GI Union.As directed by the enginer inchargeof the work	nos	2.00	234.77	469.54			2.00	234.77	469.54	2.00	469.54
57	Supplying and fixing 50mm GI Elbow.As directed by the enginer inchargeof the work	nos	1.00	128.04	128.04			1.00	128.04	128.04	1.00	128.04
58	Supplying and fixing 50mm GI Nipple. .As directed by the enginer inchargeof the work	nos	1.00	109.46	109.46			1.00	109.46	109.46	1.00	109.46
59	Supplying and fixing 50mm heavy duty GI Collars. As directed by the enginer inchargeof the work	nos	92.00	104.95	9655.40			92.00	104.95	9655.40	92.00	9655.40
60	LT Metering box with CTs and neceesary wiring for housing ETV ,meterAs directed by the enginer inchargeof the work	nos	2.00	6677.97	13355.94			2.00	6677.97	13355.94	2.00	13355.94
61	Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 50mm dia nominal bore with fittings (medium grade weight 1.27 Kg/mtr) B class including cost of all materials, labour charges, HOM of equipment and testing complete as per specifications.as directed by the engineer incharge of the work.	Rmtr	310.00	488.52	151441.20	15.00	7327.82	295.00	488.52	144113.40	310.00	151441.22
62	Erection of combined panel board and meter unit with necessary materials & labour including providing cement concrete foundation bed concrete door type etc complete.as directed by the engineer incharge of the work.	nos	1.00	446.04	446.04			1.00	446.04	446.04	1.00	446.04
63	Supplying of TPST with rewireable porcelain channels in SM encloser Made out of 14 SWG Powder coted paint of approved colour 32 amps Group A ..as directed by the engineer incharge of the work.	nos	1.00	1960.47	1960.47			1.00	1960.47	1960.47	1.00	1960.47
64	Supplying and fixing 20"x20"x2.5" polished wood board made up not less than 15cm thick plank with front plank one end provided for holding at other end fixing the same of the valve using through bolts and nuts,as directed by the engineer incharge of the work.	nos	1.00	316.95	316.95			1.00	316.95	316.95	1.00	316.95
65	Supplying & Fixing LED type panel board indicating lamp with required colour suitable for 220 V AC 50 HZ 12/24 V DC ,as directed by the engineer incharge of the work.	nos	1.00	451.29	451.29			1.00	451.29	451.29	1.00	451.29
66	Wiring for lighting/ power circuit using one of FRLS PVC insulated 1100V grade multistrand copper conductor single core wire in open or concealed system of wiring as per IS 694:1990 & conforming to the attached GTP of Group A. 4 Sqmm. as directed by the engineer incharge of the work.	meter	20.00	44.18	883.60			20.00	44.18	883.60	20.00	883.60
67	Fixing a shunt capacitor upto 5 KVAR capacity with necessary clamps, bolts and nuts on existing wooden or metal board including banking of more than one capacitor. As directed by the engineer incharge of the work.	meter	3.00	125.94	377.82			3.00	125.94	377.82	3.00	377.82
68	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts with provision for fixing suitable type capacity MCB's single phase/3 Phase/ single door with powder coated painting. Made out of 14 SWG M.S enclosure. 12 Way SP & N As directed by the engineer incharge of the work.	nos	2.00	1098.83	2197.66			2.00	1098.83	2197.66	2.00	2197.66
69	Supplying and fixing wiring, earth electrode for grounding conduits IC Cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI Pipe 2.5 Mtr long buried in a pit..... The pit should be filled with equal proportion of salt and charocoal 150mm alround the pipe to complete depth. The connections from the pipe to the conduit etc, is to be established though GI Wire of size as per ISI Specification 7.3.3 of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 122 mm dia.As directed by the engineer incharge of the work.	nos	3.00	2861.99	8585.97			3.00	2861.99	8585.97	3.00	8585.97
70	Supplying Fully automatic Star delta starter unit push button type with suitable wires 3 Contractors and adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400 /440 volts phase and wired after fixing to the existing wooden board for motor Group A ,II above 15 HP up to 25 HP ,as directed by the engineer incharge of the work	nos	3.00	6908.86	20726.58			3.00	6908.86	20726.58	3.00	20726.58
71	Supplying and fixing Class-A (Medium duty) -GI pipe wall thickness not less than 3.25mm on pole/wall/Drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 65mm,as directed by the engineer incharge of the work	meter	8.00	613.96	4911.68			8.00	613.96	4911.68	8.00	4911.68

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Item code	Item Name	Un
72	Supplying laying of 1.1 KV class L.T.U.G Cable having aluminium conductor PVC insulated extruded inner shethed galvanised steel strip (except 2C x 10 Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with speicified IS-1554, Part-1:1988 & confirming to the attached GTP of Group A 3.5 core to 25Sqmm, as directed by the engineer incharge of the work	me
73	Labour charges for Laying of 1.1 KV Class UG cable 6 Sqmm to 16 sqmm ,as directed by the engneer incharge of the work	me
74	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating in Hard soil etc., complete. complete as per specifications andas directed by the engineer incharge of the work	me
75	Supplying and fixing LT cast iron pot heads suitable for 1.1 KV class UG cable filled wiith necessary bitumen / insulating compound complete. With terminals, clamps, bolts nuts and washers etc.complete for 16 Sqmm as per specification,as directed by the engineer incharge of the work	no
76	Supplying and fixing Porcelain fuse channel with cut out on the existing wooden block & wiring complete 32 amps,,as directed by the engineer incharge of the work	nos
77	Earthwork excavation for pipeline trenches including depositing on bank up to a lead of 50 meters including shoring and strutting , danger lighting and using sight rails and oning rods at every 100 mtrs whereever necessary as directed in the following strata manual means in hard soil,.As directed by the engineer incharge of the work.	cum
78	Providing and installing at site of work 63mm (0.662) pvc pipes of 6kg /cum 2 including cost of pipes and special labour including lowering into trenches laying true to line level and perfect linking at joints , leak proof including jointing of approved type with all labour and lift charges handling charges including encasing the pipes all round to a depth of not less than 15cms with gravel or selected earth available from the excation etc...As directed by the engineer incharge of the work.	Mtr
79	Giving hydraulic test upto 80mm CI/RCC/PVC/HDPE or AC pipeline ,.As directed by the engineer incharge of the work.	No
80	Refilling the basement and pipeline trenches with selected available earth from trench excavation including watering,consolidation in layers of 15cm thick including disposing of the surplus earth with lead of 200 metres,.As directed by the engineer incharge of the work..	Mtr
81	Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer black or blue and inner white layer of approved quality and make, confirming to ISO/SSI specifications. .As directed by the engineer incharge of the work.	Litre
82	Providing and constructing burnt brick masonary with hoey comb work with approved quality of non modular bricks of standard size of class designation 5.00 Newton per sqmm(table moulded) with cement mortar for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications..As directed by the engineer incharge of the work.	Cum
83	Providing 12mm thick cement mortar plaster in single coat with cement plaster in single coat with cement mortar 1:3 to brick masonary including rounding off corners whereever required smooth rendering, providing and removing scaffolding,including cost of materials, labour, curing complete as per specifications..As directed by the engineer incharge of the work.	Sqm
84	supplying and fixing of only manhole covers heavy duty to suit the existing manhole rings with all lead and lift charges.As directed by the engineer incharge of the work.	Nos
85	Providing and filling in foundation with granite/trap/broken metal 100mm and down size , with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift complete as per specification. (work will be extracted seperately for broken metal and sand ie, layer by layer to act as a filter media)As directed by the engineer incharge of the work.	Cum
86	Providing and filling sand in foundation upto plinth to required depth for subsoil treatment including watering, ramming with all lead and lift , Filling the recharge well by good river sand over coarse aggregate to act as a filter media.complete as per specifications. Filling the recharge well by good river sand over coarse aggregate to act as a filter media..As directed by the engineer incharge of the work.	Cum
87	Providing and fixing FRP security cabin in the location as mentioned by the architect of size 5x5x7m height ,.As directed by the engineer incharge of the work.	No

Approved Qty	Approved Rate	Amount	Previous measurements		Present measurements			Up to date measurements	
			Qty	Amount	Qty	Rate	Amount	Qty	Amount
18.00	173.80	3128.40			18.00	173.80	3128.40	18.00	3128.40
18.00	11.33	203.94			18.00	11.33	203.94	18.00	203.94
10.00	111.25	1112.50			10.00	111.25	1112.50	10.00	1112.50
2.00	293.86	587.72			2.00	293.86	587.72	2.00	587.72
3.00	188.91	566.73			3.00	188.91	566.73	3.00	566.73
212.76	204.69	43549.84	104.76	21443.79	108.00	204.69	22106.52	212.76	43550.31
418.00	94.56	39526.08	388.00	36689.26	30.00	94.56	2836.80	418.00	39526.06
418.00	2.36	986.48			418.00	2.36	986.48	418.00	986.48
157.11	76.64	12041.28				76.64			
500.00	6.67	3335.00				6.67			
17.65	7266.65	128255.65	17.44	126711.55	0.21	7266.65	1525.27	17.65	128236.82
32.73	201.36	6589.51	32.73	6589.41		201.36		32.73	6589.41
4.00	703.08	2812.32			4.00	703.08	2812.32	4.00	2812.32
10.80	2351.76	25399.01	11.16	26245.66		2351.76		11.16	26245.66
10.80	2375.12	25651.30			10.00	2375.12	23751.20	10.00	23751.20
	66874.14					66874.14	1375500		
		13030447.71		121350326			855510.40		12990542.76

Item 30. (-) 520132=
121350000= 855368=

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Item code	Item Name	Unit	Approved Qty	Approved Rate	Amount	Previous measurements Qty	Previous measurements Amount	Present measurements Qty	Present measurements Rate	Present measurements Amount	Up to date measurements Qty	Up to date measurements Amount
B)	**HORTICULTURE WORKS:**											
88	Removal of dried leaves solid waste and cleaning of the area,as directed by the engineer incharge of the area	Sqm	1786.86	4.74	22689.72	4786.86	22689.72		4.74		4786.86	22689.72
89	Digging pits of size 0.75mX0.75mx0.75m for planting of trees filling up to 50% of the pits with top excavated soil & remaining 50% with the mixture o sand (0.007 cum, Fym(0.014 cum), Red earth (0.021 Cum) (i.e, in the preparation of 1:2:3) Exclusive of cost of plants & inclusive ingredients.	Each	50.00	257.46	12873.00	50.00	12873.00		257.46		50.00	12873.00
90	Supply and planting trees 5' Height as directed by the engineer incharge of the work	Each	50.00	209.90	10495.00	50.00	10495.00		209.90		50.00	10495.00
91	Supplying & stocking good quality red earth for filling top layer to a depth of 0.15 m (4892x0.24)=1174cum as directed by the engineer incharge of the area	Cum	1873.19	460.47	862547.80	1148.00	528619.56	725.19	460.47	333928.24	1873.19	862547.80
92	Formation of Soil by manual means in gravelly soil including breaking of clods spreading to required line and level forming cost of all materials labour etc., complete as per specifications (Excluding watering and compaction of earth) with all lead and lift gravelly soil.	Cum	1873.19	132.38	247972.89	1148.00	151972.24	725.19	132.38	96000.65	1873.19	247972.89
93	Digging pits of size 0.45X0.45x0.45 for planting shrubs in isolated filling up to 50% of the pits with top excavated soil & remaining 50% with the mixture of sand (0.007 cum, Fym(0.014 cum), Red earth (0.021 Cum) (i.e, in the preparation of 1:2:3) Exclusive of cost of plants & inclusive ingredients.as directed by the engineer incharge of the area	Each	1000.00	59.18	59180.00	1000.00	59180.00		59.18		1000.00	59180.00
94	supply and planting trees as directed by the engineer incharge of the work	Each	1000.00	78.71	78710.00	1000.00	78710.00		78.71		1000.00	78710.00
95	Developing the area for shrubs by digging to a depth of 0.45m, filling 50% with sand (0.0375 cum) FYM (0.075 cum), Red earth (0.21), (i.e in the proportion of 1:2:3) and planting with well established plants exclusive of cost of plants and inclusive of ingredients.	Sqm	1476.12	267.78	395274.92	1476.12	395274.92		267.78		1476.12	395274.92
96	supply and planting trees as directed by the engineer incharge of the work (5 Plants per sq.m)	Sqm	1476.12	314.85	464755.80	1476.12	464755.80		314.85		1476.12	464755.80
97	Developing the area for ground cover plants by digging to a depth of 0.45m, filling 50% of the area with excavated top soil & remaining 50% with sand (0.0375 cum), Fym (0.075 cum), Red Earth (0.112 cum). (i.e, in the Preparation of 1:2:3) Exclusive of cost of plants & inclusive ingredients (5 plants per sqm)as directed by the engineer incharge of the area	Sqm		267.78					267.78			
98	Developing hedges by digging trenches of size 0.45mX0.45m, filling 50% of the trench with excavated top soil & remaining 50% with the mixture of sand (0.0112cum), Fym (0.0224 cum) i.e, in the proportion of 1:2:3) Exclusive of cost of plants & inclusive ingredients.	Rmt	1220.12	87.54	106809.30	1220.12	106809.30		87.54		1220.12	106809.30
99	supply and planting trees as directed by the engineer incharge of the work (5 Plants per sq.m)	Rmt	1220.12	78.71	96035.65	1220.12	96035.65		78.71		1220.12	96035.65
100	Providing & forming mound using red earth by filling, spreading and levelling to the required grade as per design	Cum	321.60	380.97	122519.95	321.60	122519.95		380.97		321.60	122519.95
101	Cleaning the site by scrapping and removing top layer of soil, removing unwanted debris, grass, along with excavated earth to a distance of 500m from the spot, including pathway area Total: area: Sqm x 0.15m=1800	Sqm	2206.96	36.23	79958.10	2206.96	79958.10		36.23		2206.96	79958.10
102	Earth work digging including removing weeds, debris if any and breaking of clumps watering etc. area Sqm x 0.45as directed by the engineer incharge of the area	Sqm	2206.96	50.98	112510.73	2206.96	112510.73		50.98		2206.96	112510.73
103	Digging for second time & removing weeds, if any minor levelling to a depth of 0.45mas directed by the engineer incharge of the area	Sqm	2206.96	25.49	56255.37	2206.96	56255.37		25.49		2206.96	56255.37
104	Supply and stacking good quality red earth etc., for Filling the top layer to depth of 0.15m (1x1x0.15) (2200*0.15=345)as directed by the engineer incharge of the area	Cum	331.04	460.47	152435.71	331.04	152435.71		460.47		331.04	152435.71
105	Providing Sand FYM and Red earth in the ratio of 1:3:6 and Spreading to a depth of 7.5cm at the required site.Red earth (0.045cum/sqm) Rs 12.60as directed by the engineer incharge of the area	Sqm	2206.96	159.19	351325.68	2206.96	351325.68		159.19		2206.96	351325.68
106	Providing chemical fertilizers like Super Phospates (50 gm/Sq.m:Rs. 0.22/ Sq.m), Neeem oil cake (250gm/Sq.m:Rs. 1.10/Sq.m), Bone meal (250 gm/Sq.m: Rs.2.75/Sq.m), Potash (50 gm/Sq.m:Rs.0.23/ Sq.m), Furodon (25gm/Sq.m: Rs.0.75/ Sq.m), Ammonium Suphate (100 gm/Sq.m:Rs.0.60/Sq.m) as directed by the engineer incharge of the work. unit is Gm/sqm	gm	2206.96	5.90	13021.05	2206.96	13021.05		5.90		2206.96	13021.05
107	supply and fixing of Bermuda grass,as directed by the engineer incharge of the work	Sqm	2206.96	10.74	23702.73	2206.96	23702.73		10.74		2206.96	23702.73
108	Labour cost towards dibbling/laying of lawn inclusive of mixing of ingredients application of manure and spreading (5x5cum)as directed by the engineer incharge of the area	Sqm	2206.96	42.75	94347.47	2206.96	94347.47		42.75		2206.96	94347.47
109	Supplying and planting of specimen plants includes:Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.as directed by the engineer incharge of the area(Caryota Ureas (240cm-300cm ht)	Each	70.00	2623.75	183662.50	70.00	183662.50		2623.75		70.00	183662.50

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						Qty	Amount	Qty	Rate	Amount	Qty	Amount
110	Supplying and planting of specimen plants includes:Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.as directed by the engineer inchrge of the areab)Ficus Benjimina Starlight (90cm-150cm ht)	Each	70.00	2623.75	183662.50	70.00	183662.50		2623.75		70.00	183662.50
111	c)Ficus Benjimina Black (90cm-150cm ht)Supplying and planting of specimen plants includes:Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.as directed by the engineer inchrge of the area	Each	70.00	2623.75	183662.50	70.00	183662.50		2623.75		70.00	183662.50
112	Supplying and planting of specimen plants includes:Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.as directed by the engineer inchrge of the aread)Ficus Ponda (90cm-150cm ht)	Each	70.00	2623.75	183662.50	70.00	183662.50		2623.75		70.00	183662.50
113	Supplying and planting of specimen plants includes:Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.as directed by the engineer inchrge of the areae)Pulmeria Alba (150cm-240cm ht)	Each	20.00	1574.25	31485.00	20.00	31485.00		1574.25		20.00	31485.00
114	Supplying and planting of specimen plants includes:Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.as directed by the engineer inchrge of the areaf)Cycas Revoluta a) 90cm Dia, 100 cm ht	Each	20.00	4722.75	94455.00	20.00	94455.00		4722.75		20.00	94455.00
115	Supplying and planting of specimen plants includes:Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.as directed by the engineer inchrge of the areag)Raphis Excelsa (60cm -90cn ht)	Each	73.00	1049.50	76613.50	73.00	76613.50		1049.50		73.00	76613.50
116	Supplying and planting of specimen plants includes:Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.as directed by the engineer inchrge of the areah)Roystonia Regia (180cm-240cm ht)	Each	70.00	2099.00	146930.00	70.00	146930.00		2099.00		70.00	146930.00

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Item code	Item Name	Unit	Approved Qty	Approved Rate	Amount	Previous measurements		Present measurements			Up to date measurements	
						Qty	Amount	Qty	Rate	Amount	Qty	Amount
117	Supplying and planting of specimen plants includes:Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.as directed by the engineer inchrge of the areai)Dypsis Medagascariensis (120cm-180cm ht)	Eac	70.00	472.28	33059.60	70.00	33059.60		472.28		70.00	33059.60
118	Supplying and planting of specimen plants includes:Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.as directed by the engineer inchrge of the areaj)Yucca species silver/Filimentosa marginata(Golden)(90cm-150cm ht)	Eac	82.00	1574.25	129088.50	82.00	129088.50		1574.25		82.00	129088.50
119	Supplying and planting of specimen plants includes:Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.as directed by the engineer inchrge of the areak)Plumeria rubra(150cm -240cm ht)	Each	20.00	1574.25	31485.00	20.00	31485.00		1574.25		20.00	31485.00
120	Supplying and planting of specimen plants includes:Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.Digging pits of size 0.75mx0.75mx0.75m and filling upto 50% of the pits with top excavated soil and remaining 50% with sand(0.035 cum), Fym (0.070cum), Red Earth(0.105cum). (i.e, in the proportion of 1:2:3).And planting with well established plants.Exclusive of cost of plants & inclusive of ingredients.as directed by the engineer inchrge of the areal)Nalina(elephant foot) (90cm-150cm ht)	Each	50.00	2623.75	131187.50	50.00	131187.50		2623.75		50.00	131187.50
121	Providing and fixing of sprinkler system with in the site by using 25mm/10kg, 40mm/6kg, 50mm/6kg good quality PVC pipes, ISI marked sprinklers, control valves and fittings etc,. Including excavation and back filling trenches, (Excluding of Providing Borewell, Electrification & Pump) As per the specification and direction of the concerned officer. Rates may be quoted as per data rate specific to the filed condition.as directed by the engineer inchrge of the area	Each	80.00	2099.00	167920.00	80.00	167920.00		2099.00		80.00	167920.00
					4940294.98		4510366			429928.89		4940294.98

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Item code	Item Name	Unit	Approved Qty	Approved Rate	Amount	Previous measurements		Present measurements			Up to date measurements	
						Qty	Amount	Qty	Rate	Amount	Qty	Amount
	Elecrical works											
122	Fabricating, supplying and erection of …Mtrs long hot dip Galvanized Conical pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for …….Mtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottom …..mm, top….mm with 3mm thick, suitable base plate and 4Nos of ….. long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc.,(excluding foundation) as per drawing appended.4 meters - Top 75mm and bottom 115 mm dia,As directed by the engineer incharge of the work.	Nos	60.00	7594.18	455650.80	60.00	455650.80		7594.18		60.00	455650.80
123	Fabricating, supplying and erection of …Mtrs long hot dip Galvanized Conical pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for …….Mtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottom …..mm, top….mm with 3mm thick, suitable base plate and 4Nos of ….. long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc.,(excluding foundation) as per drawing appended5)7 meters - Top 75mm and bottom 145 mm dia,As directed by the engineer incharge of the work.	Nos	5.00	14734.98	73674.90	5.00	73674.90		14734.98		5.00	73674.90
124	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.4 core 16 sqmm,As directed by the engineer incharge of the work.	Mtrs	923.10	147.35	136018.79	923.10	136018.79		147.35		923.10	136018.79
125	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A5)3.5 core 25 sqmm,As directed by the engineer incharge of the work.	Mtrs	50.00	173.69	8684.50	50.00	8684.50		173.69		50.00	8684.50
126	Labour charges for lying of 1.1 KV class UG cable when supplied agency in existing trench GI pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct.b)25sqmm to 75 sqmm,As directed by the engineer incharge of the work.	Mtrs	923.10	11.02	10172.56	923.10	10172.56		11.02		923.10	10172.56
127	Labour charges for lying of 1.1 KV class UG cable when supplied agency in existing trench GI pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct.b)25sqmm to 75 sqmm,As directed by the engineer incharge of the work.	Mtrs	45.00	17.00	765.00	45.00	765.00		17.00		45.00	765.00
128	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete,As directed by the engineer incharge of the work.	Mtrs	678.30	81.86	55525.64	678.30	55525.64		81.86		678.30	55525.64
129	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps25kA.,As directed by the engineer incharge of the work.	Nos	1.00	4244.18	4244.18	1.00	4244.18		4244.18		1.00	4244.18
130	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.63Amps,As directed by the engineer incharge of the work.	Each	6.00	245.58	1473.48	6.00	1473.48		245.58		6.00	1473.48
131	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.f)40-63Amps TPN,As directed by the engineer incharge of the work.	Each	3.00	2031.83	6095.49	3.00	6095.49		2031.83		3.00	6095.49
132	Fabricating supplying and mounting MS box made out … SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.16SWG,As directed by the engineer incharge of the work.	Sqcm	70000.00	0.35	24500.00	70000.00	24500.00		0.35		70000.00	24500.00
133	Supply and fixing of 4-pole power contactor with NO/NC contacts on existing wood / panel board using necessary bolts, nuts, washers and wiring etc., complete. d) 100-125 Amps,As directed by the engineer incharge of the work.	Nos	3.00	10405.79	31217.37	3.00	31217.37		10405.79		3.00	31217.37
134	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and Copper conductor single core cable in open or consealed system of wiring.I Group A Materials.g)16 sqmm1.5 sqmm,As directed by the engineer incharge of the work.	Mtrs	510.00	16.69	8511.90	510.00	8511.90		16.69		510.00	8511.90
135	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and Copper conductor single core cable in open or consealed system of wiring.I Group A Materialsg)16 sqmm,As directed by the engineer incharge of the work.	Mtr	30.00	138.53	4155.90	30.00	4155.90		138.53		30.00	4155.90

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						Qty	Amount	Qty	Rate	Amount	Qty	Amount
136	Supplying and fixing phylum brand hand plastic sheet 3mm thick with necessary niches for fixing switches, regulators etc., and fixing on exisiting wood or metal box using N.F.screws	Sqm	20000.00	0.23	4600.00	20000.00	4600.00		0.23		20000.00	4600.00
137	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm,As directed by the engineer incharge of the work.	Mtrs	30.00	276.02	8280.60	30.00	8280.60		276.02		30.00	8280.60
138	Supplying and fixing electro mechanical timer (without contactor) using necessary bolts, nuts and waqshers etc.. Group A,As directed by the engineer incharge of the work.	Nos	2.00	4407.90	8815.80	2.00	8815.80		4407.90		2.00	8815.80
139	Supply of LED Post Top Lantern with system ... wattage, housing & frame shall be of powder coated, die cast aluminum, diffuser with high density polyethylene IP65 EPDM Gasket. Life 50000 Hrs. @ L70 shall be conforming to IS 10322/Part 5/ Section 5 @ 230V. 5 years Warranty against any manufacturing defect working under standard electrical condition 2)LED Post Top Lantern with 24 watts,As directed by the engineer incharge of the work.	Nos	60.00	16718.54	1003112.40	60.00	1003112.40		16718.54		60.00	1003112.40
140	Supply of LED Square Recessed Down lighter with 18W System Wattage. Housing shall be with powder coated pressure die cast aluminum alloy with corrosion resistant polyester powder coat & with extended heat sink. Diffuser/cover made of Lexan plastic material. Rated life shall be L70 @ 50000 Hrs. which shall has inbuilt electrical protection like over/under voltage, short circuit, overload, open circuit & miswiring. Driver is on constant current driver output driver @ 0.06A with PF > 0.9 with line voltage @ 220-240V @ 50/60Hz, driver efficiency > 85% & THD<15%. LED Efficiency > 130 lm/W at 1W & Fixture Efficiency >75lm/w with CRI > 75 with injection moulded Polycarbonate lens. 5 years Warranty against any manufacturing defect working under standard electrical condition.As directed by the engineer incharge of the work.	No	3.00	5189.78	15569.34	3.00	15569.34		5189.78		3.00	15569.34
141	Fixing charges of post top/ Gate/ Garden fitting /LED on the existing CI / GI or any other pipe using required size of reducer, wiring using suitable wires.As directed by the engineer incharge of the work.	Each	60.00	152.18	9130.80	60.00	9130.80		152.18		60.00	9130.80
142	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipments on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth. the connection form the pipe to the conduit etc, is to be established through GI wire of size as oer ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 122mm dia.As directed by the engineer incharge of the work.	Each	1.00	2861.99	2861.99	1.00	2861.99		2861.99		1.00	2861.99
143	Supplying and running of GI/Copper strips for grounding connections, using necdessary fixing materials as required. GI strip 1). 25x3mm,As directed by the engineer incharge of the work.	Mtr	10.00	80.81	808.10	10.00	808.10		80.81		10.00	808.10
144	Supplying of LED Floodlight with .....W System Power consumption pressure die cast aluminum housing with powder coating with IP 65 protection. 1, 200-275V voltage with electronic Driver, PF>0.9, should meet ANSI 2G Vibration test, Compliance to UL/CE with Class I. System rating shall be 50K hrs. @ Lumen maintenance of 70%, system efficacy > 80lm/w. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer. 2) LED	No	10.00	15370.98	153709.80	10.00	153709.80		15370.98		10.00	153709.80
145	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25 mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. 2) 50 mmAs directed by the engineer incharge of the work.	Mtrs	6.00	410.35	2462.10	6.00	2462.10		410.35		6.00	2462.10
146	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. 3) 25 SqmmAs directed by the engineer incharge of the work.As directed by the engineer incharge of the work.	Nos	2.00	379.92	759.84	2.00	759.84		379.92		2.00	759.84
147	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C.50 Hz 12/24v D.C.As directed by the engineer incharge of the work.	Nos	3.00	463.88	1391.64	3.00	1391.64		463.88		3.00	1391.64
148	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes 6) 16 sqmm.As directed by the engineer incharge of the work.	Nos	400.00	11.87	4748.00			400.00	11.87	4748.00	400.00	4748.00

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Item code	Item Name	Unit	Approved Qty	Approved Rate	Amount	Previous measurements		Present measurements			Up to date measurements	
						Qty	Amount	Qty	Rate	Amount	Qty	Amount
149	open conduit system Supplying heavy gauge PVC conduit pipe.... dia confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or rawl plugs in case of brick walls and cement plastering damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. 2) 25mm dia 2mm thick ,As directed by the engineer incharge of the work.	Mtr	750.00	73.47	55102.50			678.20	73.47	49827.35	678.20	49827.35
150	Providing Rcc Pole pedstal of Size 0.5x0.5x1.6 Mtrs Including digging of pit, tor steel, anchoring bolts nuts ,templates ,Centring,1;4;8base concrete,1;2;4pedestal concrete and etc As directed by the engineer incharge of the work.	Nos	60.00	1133.46	68007.60	60.00	68007.60		1133.46		60.00	68007.60
151	Providing Rcc Pole pedstal of Size 0.5x0.5x1.6 Mtrs Including digging of pit, tor steel, anchoring bolts nuts ,templates ,Centring,1;4;8base concrete,1;2;4pedestal concrete and etc coplete as per the data sheet enclosed As directed by the engineer incharge of the work.	Nos	5.00	4406.85	22034.25			5.00	4406.85	22034.25	5.00	22034.25
152	Supplying of Hikvision 8 Chanl DVR DS7508N1NVR,As directed by the engineer incharge of the work.	Nos	1.00	17714.51	17714.51			1.00	17714.51	17714.51	1.00	17714.51
153	Supplying of 1.3 MegaPixel Hikvision CCTV CamaraDS2CD20F-1As directed by the engineer incharge of the work.	Nos	4.00	14063.30	56253.20			4.00	14063.30	56253.20	4.00	56253.20
154	Supplying Hikvision PTZ Camara DS 2DE7174-A With Pole Mount and Power Supplay,As directed by the engineer incharge of the work.	Nos	1.00	68217.50	68217.50			1.00	68217.50	68217.50	1.00	68217.50
155	Supplying of 2TB Hard disk seagate,As directed by the engineer incharge of the work.	Nos	2.00	11072.23	22144.46			2.00	11072.23	22144.46	2.00	22144.46
156	Supplying of 4x4 Pole Switch TP link,As directed by the engineer incharge of the work.	Nos	1.00	7529.11	7529.11			1.00	7529.11	7529.11	1.00	7529.11
157	Supplying of 4 Pin Spike pin Cona/Reputed,As directed by the engineer incharge of the work.	Nos	5.00	1201.68	6008.40			5.00	1201.68	6008.40	5.00	6008.40
158	Supplaying of Out door SupportableCAD5/ CAD6 Cable	Mtrs	800.00	73.47	58776.00			470.00	73.47	34530.90	470.00	34530.90
159	Laying of Out door Supportable CAD5/ CAD6 Cable,As directed by the engineer incharge of the work.	Mtrs	800.00	11.02	8816.00			470.00	11.02	5179.40	470.00	5179.40
160	Supplying of 32" LED TV Make Samsung/ LG	Nos	1.00	36732.50	36732.50			1.00	36732.50	36732.50	1.00	36732.50
161	Instllation Charges For Camera ,DVR ,Spike Pin, IP Configration & etc Complet Soas to work Coplet CCTV System.As directed by the engineer incharge of the work.	Set	1.00	27811.75	27811.75			1.00	27811.75	27811.75	1.00	27811.75
					2492088.70		2100201			358731		2458931.85

2093800/-

358700/-

2452500/-

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Item code	Item Name	Unit	Approved Qty	Approved Rate	Amount	Previous measurements		Present measurements			Up to date measurements	
						Qty	Amount	Qty	Rate	Amount	Qty	Amount
	Extra Items											
EI-1	KSRRB M300-11. Excavation for road way in all types of soil by mechanical means including cutting and pushing the earth to site of embankment including trimming bottom and side slopes in accordance with requirements of lines, grades and cross section complete as per specifications. MORTH Specification No.301.	cum	1189.08	75.65	89951.48			1189.08	75.65	89951.48	1189.08	89951.48
EI-2	Loading and Unloading of Stone Boulder / Stone aggregates / Sand/ Kanker / Moorum. KSRRB M100-1: Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH - 100/ Chapter 1	cum	1189.08	75.65	89951.48			1189.08	75.65	89951.48	1189.08	89951.48
EI-3	Cost of Haulage Excluding Loading and Unloading MORTH - 100 / Chapter 1 Case -1 : Surface Road	T Km	1522.02	27.81	42330.11			1522.02	27.81	42330.11	1522.02	42330.11
EI-4	Supplying & fixing M S rectangular poles made out of 2equal angles of 65*65*6mm welded together and fixed in CC(1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25cms. Including cost of all materials cutting, bending scaffolding wherever necessary ,nicely finishing the welded joints with all lead lifts and as per the directions of the engineers-in-charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete)	m	317.20	911.11	289005.02			317.20	911.11	289005.02	317.20	289005.02
EI-5	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts&nuts,the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour,lead and lifts and as per the directions of the engineer-in -charge of the work including two coats of approved quality paint over one coat of shop paint	sqm	440.80	733.12	323158.30			440.80	733.12	323158.30	440.80	323158.30
EI-6	Providing & fixing MSBlock pipes of 38mm dia, of heavey guage of 14 including removing the bends, cutting the pipe,and fixing pipe in between the existing two verticle poles(M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever neccesary with the lead lift as directed by the engineer-in -charge of work etc., complete including two coats of approved quality paint over one coat of shop paint.	m	661.20	360.44	238323.11			661.20	360.44	238323.11	661.20	238323.11
EI-7	KSRB 7.4: Providing and fixing 1mm thick M.S shrrt garage door with frame and diagonal braces of size 40x40x6 mm angle iron, using M.S flats 30x6 mm for diagonal braces and central cross pieces 3.15mm thick M.S Gusset plates at the junctions and corners, with handles, stoppers and locking arrangements etc., including applying a priming coat of red lead paint cost of materials, labour, HOM of machinery complete as per specifications. 1 double leaf door of size 2.4x2.4m Specification No. KBS 7.9/7.12	Sqm	2.44	2125.93	5187.27			2.44	2125.93	5187.27	2.44	5187.27
EI-8	Providing and fixing of Executive Bench: Made out of sadarohally Grey stone with hand supporters with 3 line finishing with arch Design with 100mm Slab Height 90 x length 150 width 45 cms,. As directed by the Engineer in charge of the work.	Nos	35.00	19100.90	668531.50			35.00	19100.90	668531.50	35.00	668531.50
EI-9	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete. (external work). - 50mm nominal OD pipes	Rmtr	400.00	500.61	200244.60			400.00	500.61	200244.60	400.00	200244.60
				Total	1946683		Up to 4th & part.			1946683		1946683
	Total									3590853		22336452
				Grand Total	22409514		18744252					

5th & final.

1 Certified that the contractor has completed the work as per the specification and drawing satisfactory.
2 The contractor has cleared the debris from the work spot.
3 The amount claimed in this bill is not claimed in any of previous bills

Civil work 855368 = 00
— " — 1946680 = 00 Extra Item
Horticulture 429900 = 00
Electrical 358700 = 00
5th & final Bill Amount 35,90,648 = 00.

18739130/-

14/10/2020
Assistant Engineer
Lakes, BBMP

3590648/-

14/10/2020
Asst. Executive Engineer
Lakes, BBMP

Up to 4th & Part 722150 = 00 Civil
3rd & part 4510330 = 00 Horticulture
2nd & part 2093800 = 00 Ele
3rd & part 491850 = 00 Civil
4th & part
18739130 = 00

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